HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

The National Bridge Inventory contains data submitted by state transportion departments to the Federal Highway Administration in coded format.
Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Pennsylvania [42]	Greene County [059]	Cumberland [17648]	CUMBERLAND TOWNSHIP	39-53-17 = 39.888056	080-02-52 = -80.047778

307203063420150	Highway agency district: 12	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		

Route: #Num!		TOWNSHIP ROAD 634	Toll: On free road [3]	Features intersected: MUDDY CREEK	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1903	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 12.2 m = 40.0 ft	Length of maximum span: 11.6 m = 38.1 ft	Deck width, out-to-out: 4.8 m = 15.7 ft	Bridge roadway width, curb-to-curb: 4.8 m = 15.7 ft		
Inventory Route, Total Horizontal Clearance: 3.9 m = 12.8 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft			

Deck structure type: Concrete Cast-in-Place [1]

Type of wearing surface: Bituminous [6]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 12.7 metric ton = 14.0 tons		
0.3 km = 0.2 mi	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 21.8 metric ton = 24.0 tons		
	Bridge posting: 30.0 - 39.9 % below [1]		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	30	Average daily truck traffi	10 %	Year	1993	Future average daily traffic	150	Year	2009
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	3.4 m = 11.2 ft				
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	Bridge median					
Parallel structure designation	No parallel structure exists. [N]								
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control					
Navigation vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]								
Minimum lateral underclearance on right	0 = N/A	Minimum lateral underclearance on left	0 = N/A						
Minimum Vertical Underclearance	0 = N/A	Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]								

Repair and Replacement Plans

Type of work to be performed

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	18.9 m = 62.0 ft	Total project cost	1000
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Equal to present desirable criteria [8]
Condition ratings - deck	Serious [3]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	29.8

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	September 2008 [0908]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	